

Agenda

Electric Distribution Transformation (EDT) FY04 Annual Program and Peer Review Meeting

October 28-30, 2003
Coronado Island Marriott Resort
Coronado, California

Overview of Program

Day 1: Tuesday, October 28

8:00 – 9:30 a.m.	Plenary Session
9:50 – 11:50 a.m.	Program Session 1: Distributed Sensing, Intelligence, and Control
11:50 – 1:00 p.m.	Luncheon
1:00 – 2:00 p.m.	Program Session 1 (continued): Distributed Sensing, Intelligence, and Control
2:00 – 5:30 p.m.	Program Session 2: Distribution Interconnection Standards and Technologies
6:00 – 7:30 p.m.	Reception

Day 2: Wednesday, October 29

7:30 – 9:30 a.m.	Optional Tour of SDG&E Mission Control Center Facility
9:45 – 11:35 a.m.	Program Session 3: System Architecture and Standards
11:35 – 12:05 p.m.	Program Session 4: Test Beds and Field Demonstrations
12:05 – 1:00 p.m.	Luncheon
1:00 – 6:30 p.m.	Program Session 4 (continued): Test Beds and Field Demonstrations

Day 3: Thursday, October 30

8:00 – 10:00 a.m.	Program Session 5: Distribution System Simulation and Analysis
10:20 – 12:20 p.m.	Program Session 6: Stakeholder and Institutional Adoption
12:20 p.m.	Adjourn

Day 1, Morning: Tuesday, October 28

7:00 – 5:00 p.m. Registration

7:00 – 8:00 a.m. Continental Breakfast

Plenary Session

8:00 – 8:30 a.m.	Welcome and Vision/Technology Road Map of the Office of Electric Transmission and Distribution	William Parks	DOE
8:30 – 8:50 a.m.	Overview of the Programs, Activities, and Opportunities Sponsored by the New York State Energy Research and Development Authority (NYSERDA)	Joe Visalli	NYSERDA
8:50 – 9:10 a.m.	Overview of the Programs, Activities, and Opportunities Sponsored by the California Energy Commission Public Interest Energy Research (PIER) Program	Terry Surles	CEC
9:10 – 9:30 a.m.	Overview of the Electric Distribution Transformation Program's Objectives, Focus Areas, and Engagement Strategies	Eric Lightner	DOE
9:30 – 9:50 a.m.	Break		

Program Session 1: Distributed Sensing, Intelligence, and Control

Session Chair: Eric Lightner, DOE

9:50 – 10:20 a.m.	Grid Friendly Appliances™ (GFA) Controller Development	Matt Donnelly	PNNL
10:20 – 10:50 a.m.	Aggregating Distributed Generators	Victor Gorokhov/ Jim Foster	Electrotek/ NYSERDA
10:50 – 11:20 a.m.	Distributed Energy Neural Network Integration System (DENNIS™)	Tom Regan	Orion Engineering Corp.
11:20 – 11:50 a.m.	Enterprise-Wide Distributed Generation Energy Management System	Steven Greenberg	RealEnergy, Inc.
11:50 – 1:00 p.m.	Luncheon		

Day 1, Afternoon: Tuesday, October 28

**Program Session 1 (continued):
Distributed Sensing, Intelligence, and Control**

Session Chair: Eric Lightner, DOE

1:00 – 1:30 p.m.	Distributed Intelligent Agents for Decision Making at Local DER Levels	Gerald Gibson	Alternative Energy Systems Consulting, Inc./ SBIR
1:30 – 2:00 p.m.	Distributed Intelligent Agents for Decision Making at Local Distributed Energy Resource (DER) Levels	David Cohen	Infotility, Inc./ SBIR

**Program Session 2:
Distribution Interconnection Standards and Technologies**

Session Chair: Brad Johnson, Consultant

2:00 – 2:40 p.m.	Reliable, Low Cost Distributed Generator/Utility System Interconnect	Zhihong Ye	GE Global Research Center
2:40 – 3:10 p.m.	Innovative Distributed Power Interconnection and Control Systems	Karen DePodesta; Randy West	Gas Technology Institute; Encorp
3:10 – 3:30 p.m.	Break		
3:30 – 4:00 p.m.	Interconnection Standards Development	Tom Basso	NREL
4:00 – 4:30 p.m.	Development of a UL Standard for the Interconnection of Distributed Generation	Tim Zgonena	Underwriters Laboratories Inc.
4:30 – 5:00 p.m.	Certification Laboratory Pilot, Accreditation Plan, and Interconnection Agreement Handbook	Tom Key	EPRI PEAC Corp.
5:00 – 5:30 p.m.	IEEE P1547.2 Interconnection Applications Guide	Richard Friedman	Resource Dynamics Corp.

Reception — 6:00-7:30 p.m.

Day 2, Morning: Wednesday, October 29

7:00 – 5:00 p.m. Registration

7:00 – 8:00 a.m. Continental Breakfast

Optional Tour of SDG&E Mission Control Center Facility — 7:30-9:30 a.m.

Program Session 3: System Architecture and Standards

Session Chair: Eric Lightner, DOE

9:45 – 10:25 a.m.	Overview	Don Von Dollen	Electricity Innovation Institute
	Integrated Energy and Communications Systems Architecture (IECSA)	Joe Hughes	
10:25 – 11:05 a.m.	Open Communication Architecture for Distributed Energy Resources in Advanced Distribution Automation	Frank Goodman	Electricity Innovation Institute
11:05 – 11:35 a.m.	GridWise Architecture and Standards	Steve Widergren	PNNL

Program Session 4: Test Beds and Field Demonstrations

Session Chair: Paul Wang, CTC

11:35 – 12:05 p.m.	Evaluation of the Field Performance of Fuel Cells	Edward Torrero	Cooperative Research Network/ National Rural Electric Cooperative Association
12:05 – 1:00 p.m.	Luncheon		

Day 2, Afternoon: Wednesday, October 29

Program Session 4 (continued): Test Beds and Field Demonstrations

Session Chair: Paul Wang, CTC

1:00 – 1:40 p.m.	Interconnection Testing at NREL	Ben Kroposki	NREL
1:40 – 2:10 p.m.	Distribution Utility Integration Test (DUIT)	Susan Horgan	Distributed Utility Associates
2:10 – 2:40 p.m.	Microgrid Test Bed and Testing	Robert Lasseter	Univ. of Wisconsin
2:40 – 3:10 p.m.	System Integration of Distributed Power for Complete Building Systems	Robert Kramer	NiSource Energy Technologies
3:10 – 3:40 p.m.	UAI Outage Management System Deployment	Steve Hauser	Utility Automation Integrators, Inc.
3:40 – 4:00 p.m.	Break		

Program Session 4 (continued): Test Beds and Field Demonstrations

Session Chair: Dale Dietzel, DOE

4:00 – 4:30 p.m.	Cooperative Research and Development for Advanced Communication and Control	Skip Trimble	EnergyWorks North America, LLC
4:30 – 5:00 p.m.	Cooperative Research and Development for Advanced Applications	Ali Ipakchi	ALSTOM
5:00 – 5:30 p.m.	Cooperative Research and Development for Advanced Communication and Control	Erik Bartone	Nxegen, Inc.
5:30 – 6:00 p.m.	Cooperative Research and Development for Advanced Communication and Control	Thomas Yeh	Connected Energy Corp.
6:00 – 6:30 p.m.	Advanced Communication and Control of Distributed Energy Resources	Haukur Asgeirsson	Detroit Edison

Day 3, Morning: Thursday, October 30

7:00 – Noon Registration

7:00 – 8:00 a.m. Continental Breakfast

Program Session 5: Distribution System Simulation and Analysis

Session Chair: Eric Lightner, DOE

8:00 – 8:30 a.m.	Advanced Distribution Simulation	Rob Pratt	PNNL
8:30 – 9:00 a.m.	Modeling the Effects of Integrating Distributed Energy Resources with the Electric Power System	Nick Miller	GE Power Systems
9:00 – 9:30 a.m.	Hardware Demonstration of the Feasibility and Value of Distributed Resources as a Solution to the Sensitive Load Problem	Giri Venkataramanan	University of Wisconsin-Madison
9:30 – 10:00 a.m.	Benefits Characterization of GridWise	Walter Baer	Rand
10:00 – 10:20 a.m.	Break		

Program Session 6: Stakeholder and Institutional Adoption

Session Chair: Gilbert Bindewald, DOE

10:20 – 10:50 a.m.	GridWise Alliance and Stakeholder Engagement	Landis Kannberg	PNNL
10:50 – 11:20 a.m.	Regulatory and Institutional Issues	Gary Nakarado	NREL
		Andrew Spahn	NARUC
11:20 – 11:50 a.m.	Technical Assistance to Regulatory Bodies	Cheryl Harrington	The Regulatory Assistance Project
11:50 – 12:20 p.m.	Analysis and Development of Electric Utility Model Rates and Tariffs Affecting DER	Nat Treadway	The Center for the Advancement of Energy Markets

Lunch on your own - Adjourn